at1110paper_practice_test (v28)

1. Expand the following expression into standard form.

$$(2x + 9)(8x - 7)$$

2. Solve the equation.

$$(4x + 5)(7x + 3) \; = \; 0$$

3. Expand the following expression into standard form.

$$(9x + 8)(9x - 8)$$

4. Expand the following expression into standard form.

$$(3x - 7)^2$$

5. Factor the expression.
$$x^2 + 14x + 45$$

6. Factor the expression.
$$9x^2 - 64$$

7. Solve the equation with factoring by grouping.
$$8x^2 - 12x - 10x + 15 \ = \ 0$$

8. Solve the equation.
$$6x^2 + 10x - 1 \ = \ 4x^2 + 5x + 2$$